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09/837,463	04/19/2001	Ching-Hsiu Chou	CHOU3037/EM/6723	6746

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EXAMINER

SPOONER, LAMONT M

ART UNIT PAPER NUMBER

2654

DATE MAILED: 12/28/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/837,463

Applicant(s)

CHOU, CHING-HSIU

Examiner

Lamont M Spooner

Art Unit

2654

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 19 April 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1 and 2 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1 and 2 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 April 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 112***

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claim 1 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, lines 6 and 7, "the interface is used in various handsets so that each handset has the function of text processing." the Applicant does not disclose what method steps are involved in using said keys for text processing, thereby rendering the claim vague and indefinite.

3. Claim 2 fails to cure the previously recognized issue, and is rejected upon being dependent on a rejected claim.
4. Claim 1 recites the limitation "the setting interface" in page 14, line 5. There is insufficient antecedent basis for this limitation in the claim.

### ***Claim Objections***

5. Claim 1 is objected to because of the following informalities:

In **claim 1**, line 6, "each the handset" is interpreted as - - each handset - -.

Appropriate correction is required.

### ***Claim Rejections - 35 USC § 103***

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

Art Unit: 2654

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 1 and 2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cha (US Patent No. 6,788,962 filed Dec. 28, 2000) in view of Kraft et al. (hereinafter referred to as Kraft, US Patent No. 6,487,424 filed Jan. 13, 1999).

As per **claim 1**, Cha discloses a method for:

setting keys of handset type computers and handset interfaces (C.4.line 17-C.5.line 29), wherein four special function keys [GA, G5, G6, OK] and [.rarw. .Arrow-up bold. .dwnarw. .fwdarw. + - =] are used in the setting interface of various languages (C.4.lines 17-50), the interface is used in various handsets so that each the handset has the function of text processing (Fig. 2A-interface, C.4.lines 17-31-each mobile terminal has the function of text processing).Cha does not disclose:

wherein four special function keys [GA, G5, G6, OK] and [.rarw. .Arrow-up bold. .dwnarw. .fwdarw. + - =] are used in the setting interface of various languages.

However, Kraft teaches having special function keys (C.4.lines 13-20) and forward, reverse, up and down arrows, -, +, and =, (Fig. 3, Fig. 5) being used in a setting interface. Therefore, at the time of the invention, it would have been obvious to one ordinarily skilled in the art to modify Cha with Kraft by including special function keys and forward, reverse, up and down arrows, -, +, and = in a setting interface, for the purpose of editing and text processing (C.3.lines 11-20).

As per **claim 2**, Cha further discloses:

the setting interface is built in a chipset and then the chipset is installed in a handset (Fig. 1 items 117, Fig. 2A, C.3.lines 26-33).

### ***Conclusion***

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Thompson (US Patent No. 5,465,401 Nov. 7, 1995) teaches having an interface used in various handsets so that each handset has the function of text processing.
- Ivancic (US Patent No. 6,798,359 filed Oct. 17, 2000) teaches setting keys of handset type computers and handset interfaces, the handset device having the function of text processing.
- Kawasugi (US Patent No. 5,703,616 Dec. 30, 1997) teaches setting of keys of handset type computers, various setting modes and having a chipset and the chipset installed in a handset.
- Nakasuji et al. (US Patent No. 5,384,579 Jan. 24, 1995) teaches setting keys of a handset type with special function keys and a plurality of directional keys in a setting interface, for text processing.
- Izumi (US Patent No. 5,119,414 Jun. 2, 1992) teaches setting keys in communication device based upon a memory card, for use in

Art Unit: 2654

various handsets. The setting interface is built in a card and installed in the communication device.

Savolainen et al. (US 2002/0123367 filed Mar. 2, 2001) teaches setting keys with special function keys in a handset type computer, and are used in setting interface of various languages, the handset having the function of text processing.

Sato (US Patent No. 6,625,283 filed May 8, 2000) teaches setting keys of handset type computers using special function keys in the setting interface of various languages, so that the handset has the function of text processing.


9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lamont M Spooner whose telephone number is 703/305-8661. The examiner can normally be reached on 8:00 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richemond Dorvil can be reached on 703/305-9645. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2654

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

lms  
12/06/2004



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PRIMARY EXAMINER